

Fig. 1A

SEQ ID NO: 1 1 MVQKSRNGGVYPGPSGEKKLVGVFGLDPGAPDSTRDGALLIAGSEAPKRGSI LSKPRAG
SEQ ID NO: 2 1 MVQKSRNGGVYPGPSGEKKLVGVFGLDPGAPDSTRDGALLIAGSEAPKRGSI LSKPRAG
SEQ ID NO: 4 1 MVQKSRNGGVYPGPSGEKKLVGVFGLDPGAPDSTRDGALLIAGSEAPKRGSI LSKPRAG
SEQ ID NO: 6 1 MVQKSRNGGVYPGPSGEKKLVGVFGLDPGAPDSTRDGALLIAGSEAPKRGSI LSKPRAG

SEQ ID NO: 7 61 GAGAGKPPKRNAFYRKLQNF LYNVLERPRGWAFIYHAYVFL LVF SCLVLSVFSTIKEYEK
SEQ ID NO: 2 61 GAGAGKPPKRNAFYRKLQNF LYNVLERPRGWAFIYHAYVFL LVF SCLVLSVFSTIKEYEK
SEQ ID NO: 4 61 GAGAGKPPKRNAFYRKLQNF LYNVLERPRGWAFIYHAYVFL LVF SCLVLSVFSTIKEYEK
SEQ ID NO: 6 61 GAGAGKPPKRNAFYRKLQNF LYNVLERPRGWAFIYHAYVFL LVF SCLVLSVFSTIKEYEK

SEQ ID NO: 7 121 SSEGALYILEIVTIVVFGVEYFVRIWAAGCCCRYRGWRGRLKFARKPFCVIDIMVLIASI
SEQ ID NO: 2 121 SSEGALYILEIVTIVVFGVEYFVRIWAAGCCCRYRGWRGRLKFARKPFCVIDIMVLIASI
SEQ ID NO: 4 121 SSEGALYILEIVTIVVFGVEYFVRIWAAGCCCRYRGWRGRLKFARKPFCVIDIMVLIASI
SEQ ID NO: 6 121 SSEGALYILEIVTIVVFGVEYFVRIWAAGCCCRYRGWRGRLKFARKPFCVIDIMVLIASI

SEQ ID NO: 7 181 AVLAAGSQGNVFATSALRSLRFLQILRMIRMDRRGGTWKLLG SVVYAH SKELVTAWYIGF
SEQ ID NO: 2 181 AVLAAGSQGNVFATSALRSLRFLQILRMIRMDRRGGTWKLLG SVVYAH SKELVTAWYIGF
SEQ ID NO: 4 181 AVLAAGSQGNVFATSALRSLRFLQILRMIRMDRRGGTWKLLG SVVYAH SKELVTAWYIGF
SEQ ID NO: 6 181 AVLAAGSQGNVFATSALRSLRFLQILRMIRMDRRGGTWKLLG SVVYAH SKELVTAWYIGF

SEQ ID NO: 7 241 LCLILASFLVYLAEKGEN DHFD TYADALWWGLITLT TIGYGD KYPQTWNGRLLAATFTLI
SEQ ID NO: 2 241 LCLILASFLVYLAEKGEN DHFD TYADALWWGLITLT TIGYGD KYPQTWNGRLLAATFTLI
SEQ ID NO: 4 241 LCLILASFLVYLAEKGEN DHFD TYADALWWGLITLT TIGYGD KYPQTWNGRLLAATFTLI
SEQ ID NO: 6 241 LCLILASFLVYLAEKGEN DHFD TYADALWWGLITLT TIGYGD KYPQTWNGRLLAATFTLI

SEQ ID NO: 7 301 GVSFFALPAGILGSGFALKVQE QHRQKHFEKRRNPAAGLIQSAWRFYATNLSRTDLHSTW
SEQ ID NO: 2 301 GVSFFALPAGILGSGFALKVQE QHRQKHFEKRRNPAAGLIQSAWRFYATNLSRTDLHSTW
SEQ ID NO: 4 301 GVSFFALPAGILGSGFALKVQE QHRQKHFEKRRNPAAGLIQSAWRFYATNLSRTDLHSTW
SEQ ID NO: 6 301 GVSFFALPAGILGSGFALKVQE QHRQKHFEKRRNPAAGLIQSAWRFYATNLSRTDLHSTW

SEQ ID NO: 7 361 QYYERTVTVP MYSSQTQTYGASRLI PPLNQLELLRN LKSKSGLAFRKDPPPEPSKSGSP
SEQ ID NO: 2 361 QYYERTVTVP MYSSQTQTYGASRLI PPLNQLELLRN LKSKSGLAFRKDPPPEPSKSGSP
SEQ ID NO: 4 361 QYYERTVTVP MYSSQTQTYGASRLI PPLNQLELLRN LKSKSGLAFRKDPPPEPSG---
SEQ ID NO: 6 361 QYYERTVTVP MY-----RLI PPLNQLELLRN LKSKSGLAFRKDPPPEPSG---

SEQ ID NO: 7 421 CRGPLCGCCPRSSQKVS LKDRVFSSPRGVA AKGKGS PQAQTVRRSPSADQSLEDSPSKV
SEQ ID NO: 2 421 CRGPLCGCCPRSSQKVS LKDRVFSSPRGVA AKGKGS PQAQTVRRSPSADQSLEDSPSKV
SEQ ID NO: 4 417 -----QKVS LKDRVFSSPRGVA AKGKGS PQAQTVRRSPSADQSLEDSPSKV
SEQ ID NO: 6 407 -----QKVS LKDRVFSSPRGVA AKGKGS PQAQTVRRSPSADQSLEDSPSKV

SEQ ID NO: 7 481 PKSWSFGDRSRARQAFRIKGAASRQNSEEASLPGEDIVDDKSCPCFEVTEDLTPGLKVS I
SEQ ID NO: 2 481 PKSWSFGDRSRARQAFRIKGAASRQNSEEASLPGEDIVDDKSCPCFEVTEDLTPGLKVS I
SEQ ID NO: 4 463 PKSWSFGDRSRARQAFRIKGAASRQNSEEASLPGEDIVDDKSCPCFEVTEDLTPGLKVS I
SEQ ID NO: 6 453 PKSWSFGDRSRARQAFRIKGAASRQNSEEASLPGEDIVDDKSCPCFEVTEDLTPGLKVS I

SEQ ID NO: 7 541 RAVCVMRFLVSKRKFKESLRPYDVM DVIEQYSAGHLDMLSRIKSLQSRVDQIVGRGPAIT
SEQ ID NO: 2 541 RAVCVMRFLVSKRKFKESLRPYDVM DVIEQYSAGHLDMLSRIKSLQSRVDQIVGRGPAIT
SEQ ID NO: 4 523 RAVCVMRFLVSKRKFKESLRPYDVM DVIEQYSAGHLDMLSRIKSLQSRVDQIVGRGPAIT
SEQ ID NO: 6 513 RAVCVMRFLVSKRKFKESLRPYDVM DVIEQYSAGHLDMLSRIKSLQSRVDQIVGRGPAIT

SEQ ID NO: 7 601 DKDRTKGPAEALPEDPSMMGRLGKVEKQVLSMEKKLDFLVNIYMQRMGIPPTETEAYFG
SEQ ID NO: 2 601 TGWASGKTPTVAHGGSGAGGVWAGPPPHPRRPLSASVVSQS L F
SEQ ID NO: 4 583 TGWASGKTPTVAHGGSGAGGVWAGPPPHPRRPLSASVVSQS L F
SEQ ID NO: 6 573 TGWASGKTPTVAHGGSGAGGVWAGPPPHPRRPLSASVVSQS L F

SEQ ID NO: 7 661 AKEPEPAPPYHSPEDSREHVD RHG CIVKIVRSSSSTGQKNFSAPPAAPPVQCPPSTSWQP
SEQ ID NO: 2 -----
SEQ ID NO: 4 -----
SEQ ID NO: 6 -----
SEQ ID NO: 7 721 QSHPRQGHGTSFVG D HGS LVRIPPPPAHERSL SAYGGGNRASMEFLRQEDTPGCRPPEGN
SEQ ID NO: 2 -----
SEQ ID NO: 4 -----
SEQ ID NO: 6 -----

SEQ ID NO:7 781 LRSDTTSISIPSDHEELERSFSGFSISQSKENLDALNSCYAAVAPCAKVRPYIAEGESD
SEQ ID NO:2 -----
SEQ ID NO:4 -----
SEQ ID NO:6 -----

SEQ ID NO:7 841 TDSDLCTPCGPPPRSATGEGPFGDVGWAGPRK
SEQ ID NO:2 -----
SEQ ID NO:4 -----
SEQ ID NO:6 -----

Fig. 1B

Figure 2

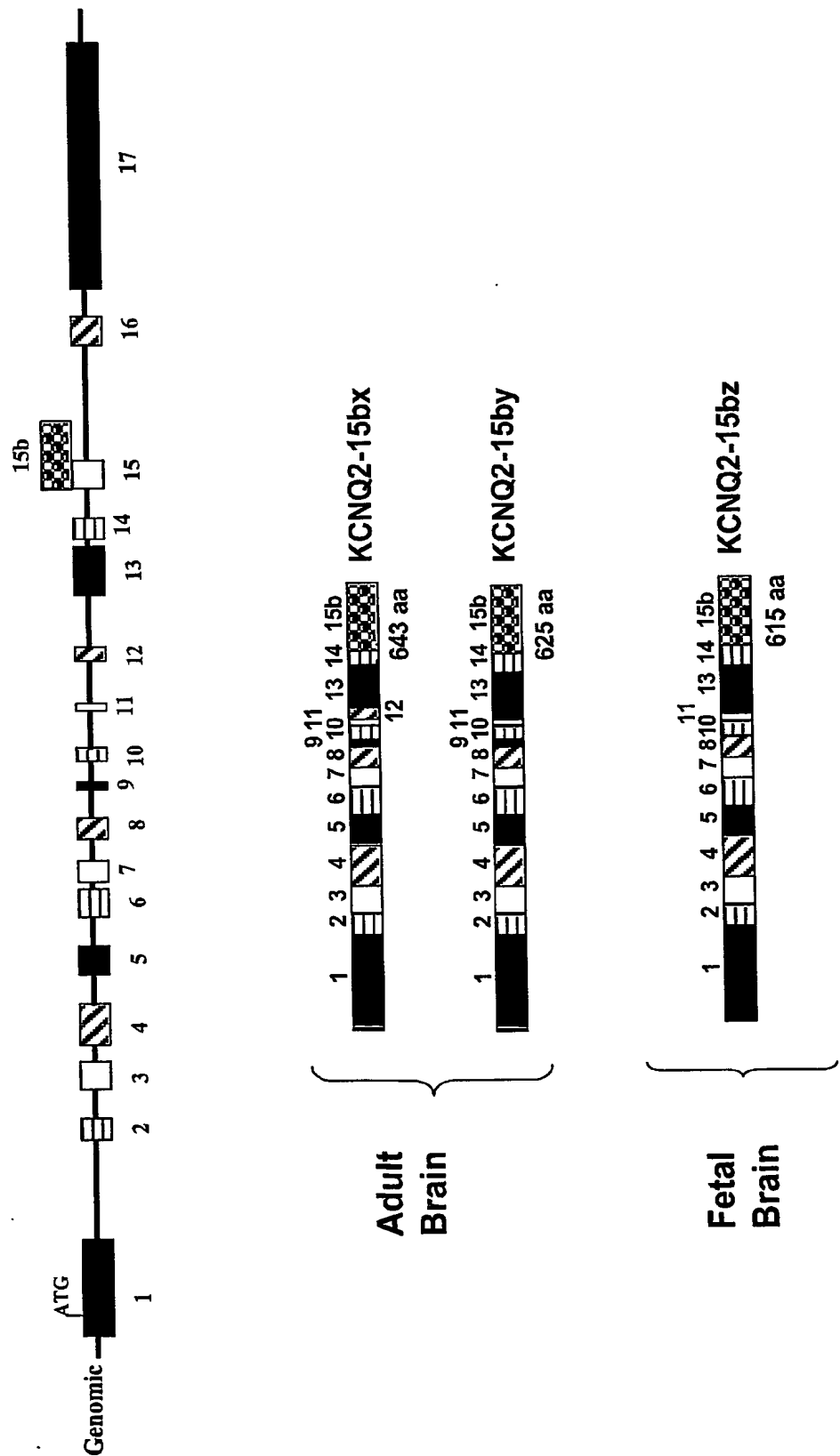


Figure 3

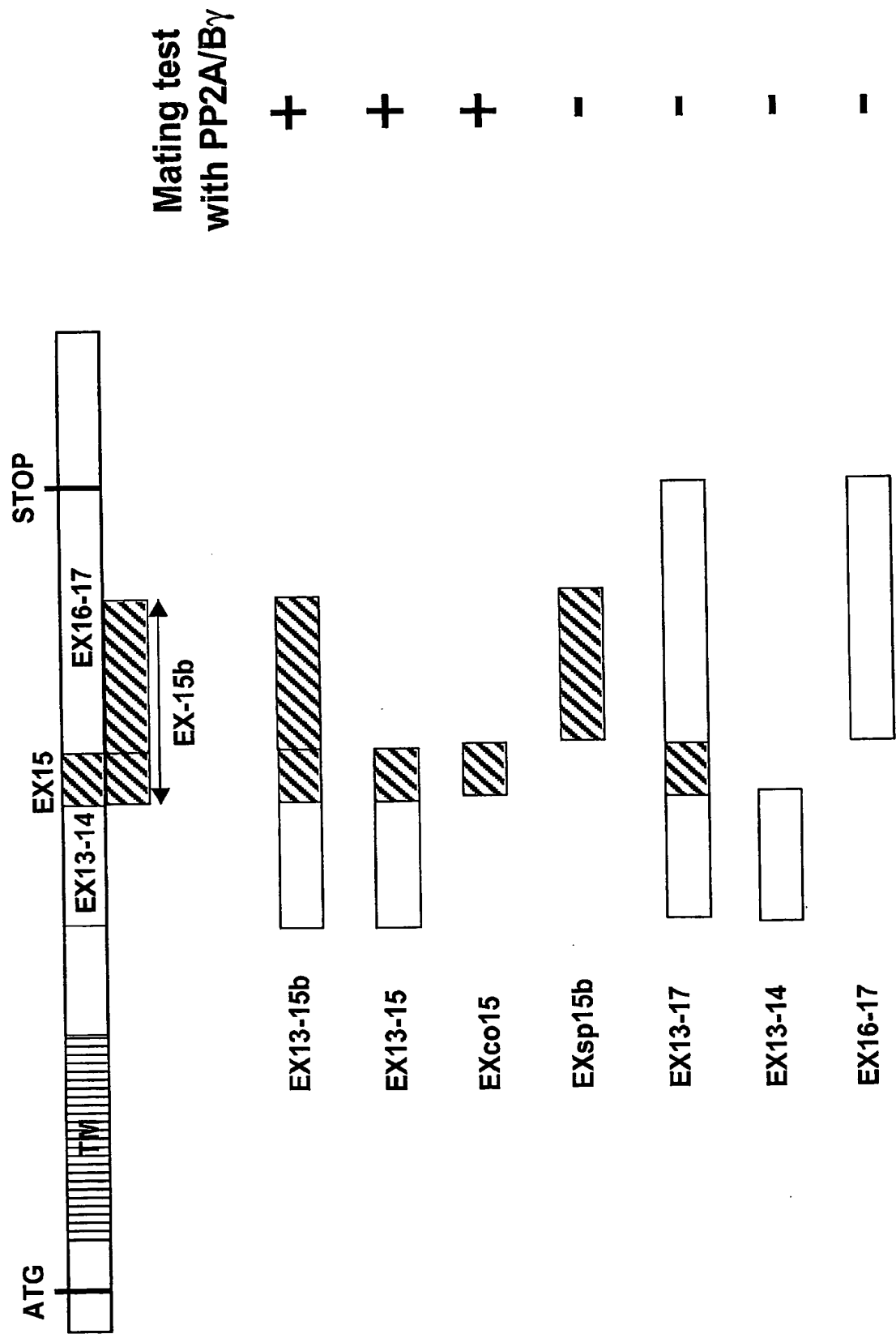
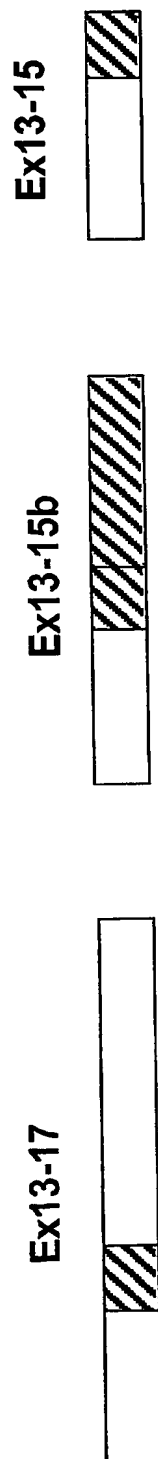


Figure 4

| Ex 13-17 | Ex-13-15b | Ex 13-15 |
|-----------|-----------|----------|
| Ex 13-17 | - / + | - / + |
| Ex 13-15b | ++ | ++ |
| Ex 13-15 | - | + |

Figure 5

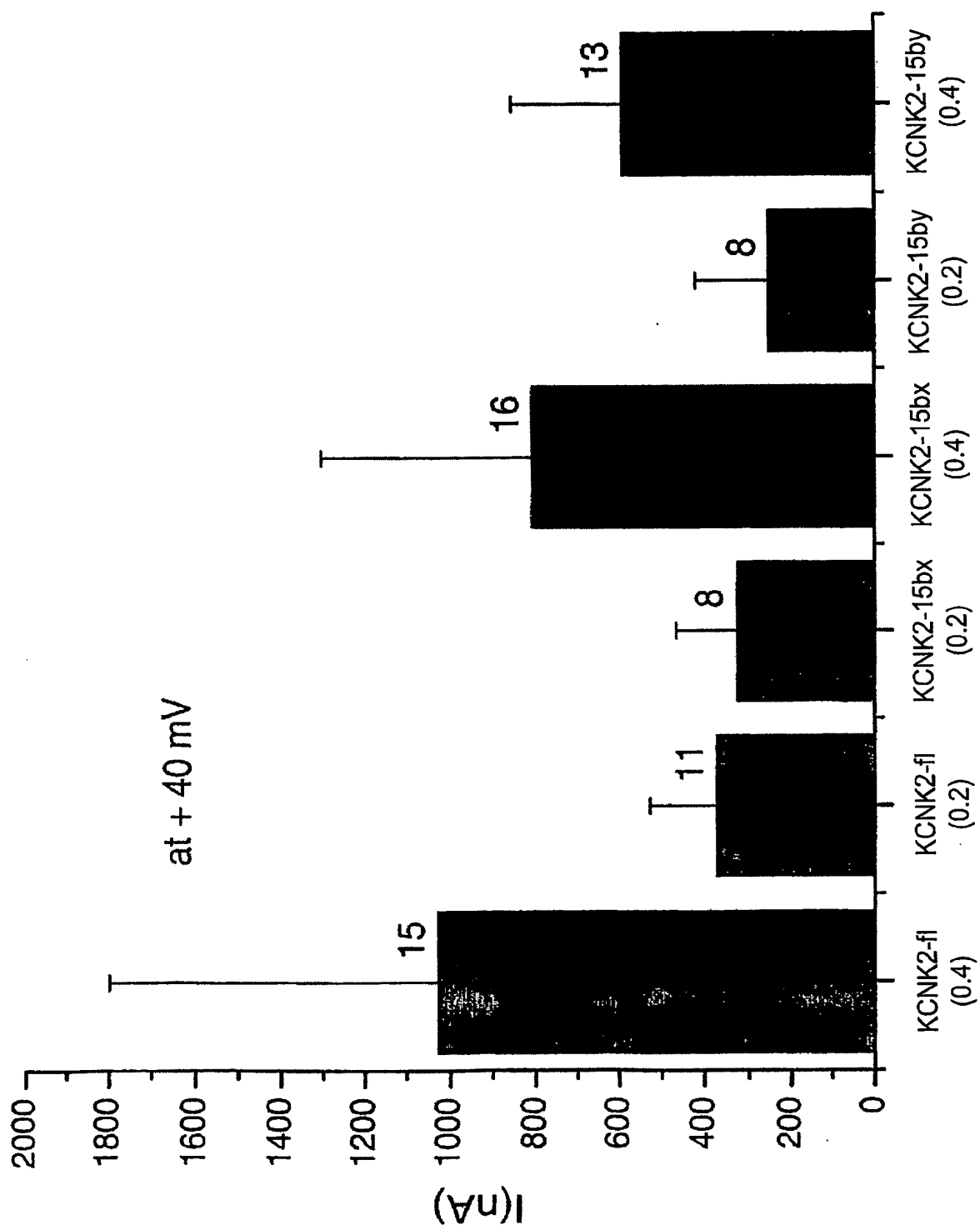


Figure 6A

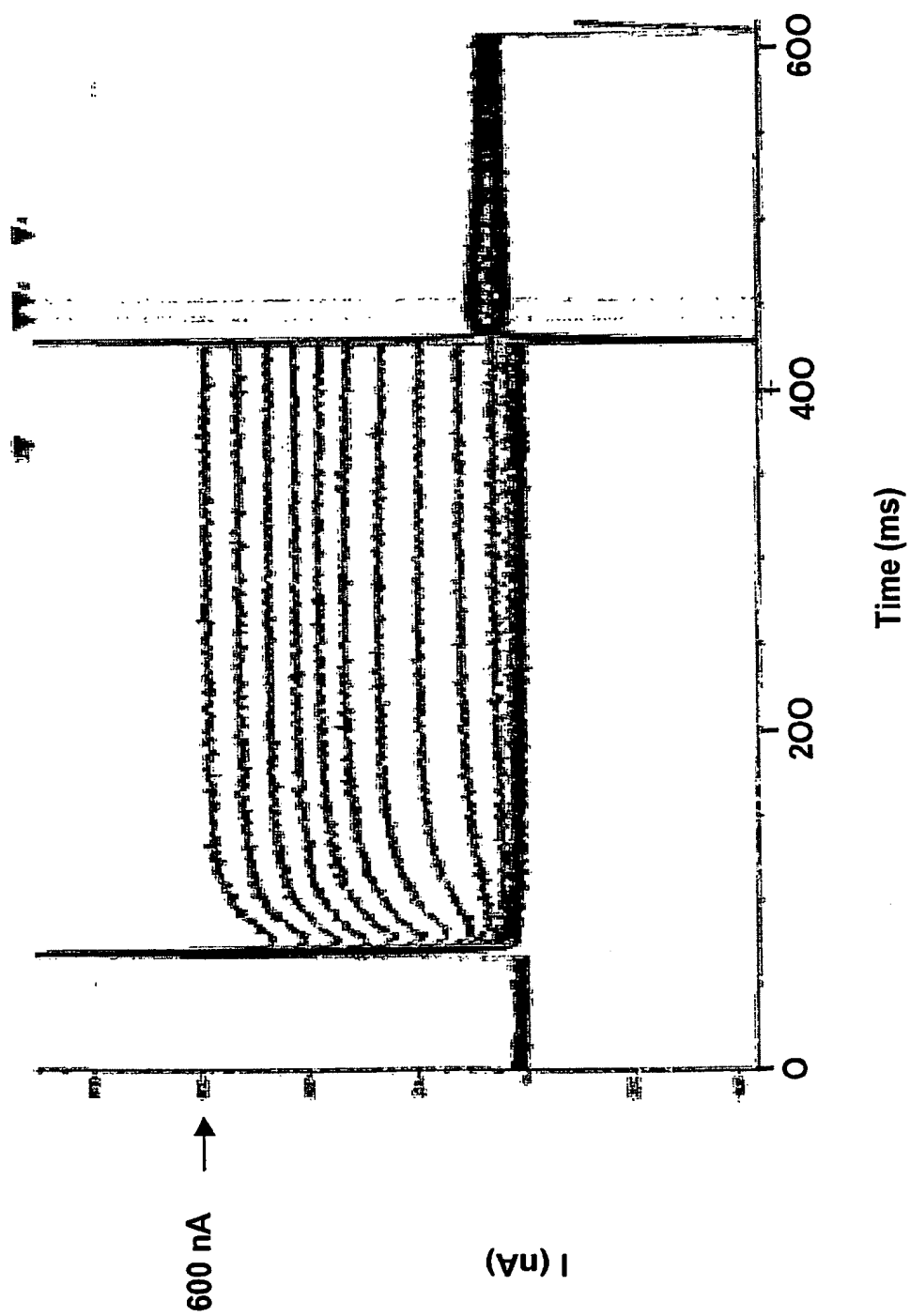


Figure 6B

